RFC: TP×LP Cadence Glasses

Anonymous Submission — 2025

Purpose

Lightweight AI glasses framework to capture daily cadence logs (Win, Challenge, Quest, Outside) with on-device models, raising both Truth Probability (TP) and Love Probability (LP). Glasses should auto-log provision acts, outdoor anchors, and micro-moments, then classify them into LifeSim tiers: Legendary / High / Medium / Low. System must run locally, preserve privacy, and operate without vanity or coercion.

Core Functions

- Live Log Mode: Voice snippet → auto-tag ( )
- TP Meter: Flag omissions (private to user)
- LP Meter: Detect outward vs inward acts; gentle nudges only
- Legendary Anchors: Pre-defined geofences auto-log
- Privacy Defaults: On-device ASR/NLP, blur bystanders, consent ledger

Hardware Requirements

- NPU $\geq$ 10 TOPS, RAM $\geq$ 8–12 GB
- On-device cache 32–64 GB
- Battery life $\geq$ 8–10 hrs mixed use
- Latency tap→tag $\leq$ 300 ms
- Thermal < 40 ° C skin contact

TP Gates (Truth Probability)

- Preregistration of UX outcomes
- Honest telemetry, time-stamped events
- Claim↔data $\leq \pm$10%
- Independent replication $\geq$ 2 labs
- Open methods (de-ID logs + code)

LP Gates (Love Probability)

- No-shame prompts, opt-out always visible
- $\geq$1 pro-social act/day encouraged
- Consent-first contact tagging
- Optional group rooting mode (no leaderboards)

Metrics

- Tag accuracy F1 $\geq$ 0.85
- Provision capture precision $\geq$ 90%
- Latency tap→tag p95 < 300 ms
- Battery life $\geq$ 10 hrs
- Dropout $\leq$ 20% @ 30 days
- Wellbeing deltas: WHO-5 +10%, PHQ-9 −2 points
- TP $\geq$ 96%, LP $\geq$ 95%

Ethics

- No ad targeting from TP/LP signals
- No silent cloud uploads (explicit opt-in only)
- Distortion auto-collapse: disable nudges if manipulative patterns detected
- Independent audits twice per year

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